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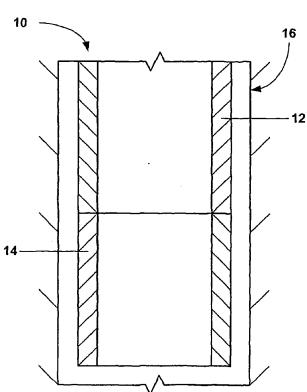
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[Continued on next page]

(54) Title: METHOD OF MANUFACTURING A TUBULAR MEMBER



(57) Abstract: A method of manufacturing a tubular member.

<u>18</u>

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Declaration under Rule 4.17:

- of inventorship (Rule 4.17(iv))

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/28819

A. CLASSIFICATION OF SUBJECT MATTER IPC: E21B 23/00(2006.01),17/00(2006.01);C21D 9/08(2006.01)				
USPC: 166/380,382,207,242.1;148/593 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 166/380, 382, 207, 242.1; 148/593				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.	
X, E	US 2005/0217768 A1 (ASAHI et al) 06 October 200	05 (06/10/2005) (see the entire patent,	1-23	
x	in particular Paragraphs [0005], [0052]-[0078], [0090]-[0113], and Tables 1-3). US 6,543,552 B1 (METCALFE et al) 08 April 2003 (08/04/2003), see tubular member 18 having one or more intermediate characteristics in Figures 1-5 and one or more final characteristics in Figures 6-7.		1-7	
A	US 3,785,193 A (KINLEY et al) 15 January 1974 (1	15/01/1974), see figures 1-3.	1-7	
	1 State of the Control of the Contro	See and family amon		
Further documents are listed in the continuation of Box C.		See patent family annex.	-usional Gling date or priority	
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
•	plication or patent published on or after the international filing	"X" document of particular relevance; the c considered novel or cannot be consider step when the document is taken alone	ed to involve an inventive	
	which may throw doubts on priority claim(s) or which is cited to he publication date of another citation or other special reason (as	"Y" document of particular relevance; the c considered to involve an inventive step combined with one or more other such being obvious to a person skilled in the	when the document is documents, such combination	
	referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the	"&" document member of the same patent family		
priority.de	te claimed. Itual completion of the international search	Date of mailing of the international searc	h report	
	•	03 AUG 2006		
30 April 2006 (30.04.2006) Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner of Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		Hoang Dang Telephone No. 571-272-3600		
<u> Facsimile No.</u>	(571) 273-3201			

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/28819

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)			
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet			
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.			
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.			
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.			

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INTERNATIONAL SEARCH REPORT				
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BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LAG	CKING			
This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive				
concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate the second of the second	ropriate additional examination fees must be paid.			
Group I, claim(s) 1-7, drawn to a method of manufacturing a tubular member.				
Group II, claim(s) 8-23, drawn to a method of manufacturing an expandable tubula	ar member.			
Group II, claim(s) 8-23, drawn to a method of manufacturing an expandable tubula	in incincer.			
The inventions listed as Groups I and II do not relate to a single general inventive of	concept under PCT Rule 13.1 because, under PCT			
Rule 13.2, they lack the same or corresponding special technical features for the fo	ollowing reasons: The special technical feature of the			
claims of Group I is the intermediate characteristics of the tubular member when it	is positioned within a preexisting structure where it			
is processed into its final characteristics. The special technical feature of the claims	s of Group II is the quenching of the tubular member			
after heat treating so that the tubular member comprises a microstructure comprising	ng a nard phase and a soft phase. The inventions of			
Groups I and II lack unity because they depend on different technical features.				
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